

IN THE CLAIMS:

Please amend Claims 14, 26 and 28. Please add Claim 34 as shown below.

The claims, as pending in the subject application, read as follows:

1. (Cancelled)
2. (Previously Presented) A computer-executable method as claimed in claim 29, further comprising the step of estimating a time when use of the output device will terminate, and setting the second time to the estimated time.
3. (Previously Presented) A computer-executable method as claimed in claim 2, wherein, if the output device is still being used at the end of the estimated time, said method repeats said rescheduling step (d) for a further estimated time.
4. (Previously Presented) A computer-executable method as claimed in claim 29, wherein one or more of the priorities are dependent upon one or more parameters as a function of time.
5. (Previously Presented) A computer-executable method as claimed in claim 4, wherein one of the priorities is dependent upon a location or a distance from a given location.

6. (Previously Presented) A computer-executable method as claimed in claim 4, wherein one of the priorities is dependent upon a frequency that the associated item of information is displayed.

7. (Previously Presented) A computer-executable method as claimed in claim 4, wherein one of the priorities is dependent upon a time since the associated item of information was last displayed.

8. (Previously Presented) A computer-executable method as claimed in claim 4, wherein one of the priorities is dependent upon a number of times the associated item of information has been displayed.

9. (Previously Presented) A computer-executable method as claimed in claim 4, wherein one of the priorities is dependent upon a cost of the associated item of information.

10. (Previously Presented) A computer-executable method as claimed in claim 30, further comprising the steps of:

monitoring the user interaction with the output device; and
generating a user profile based upon the monitoring.

11. (Previously Presented) A computer-executable method as claimed in claim 10, wherein one of the priorities is dependent upon the user profile.

12. (Cancelled)

13. (Cancelled)

14. (Currently Amended) A computer-executable method of displaying items of information on a display apparatus comprising a display unit and a user interface, each item of information having an associated priority which is a function of time, said method comprising the steps of:

(a) scheduling items of information in accordance with values of the priorities, said scheduling determining an order for displaying the items of information on the display apparatus;

(b) generating a user interrupt in response to a user interacting with the user interface;

(c) clearing the scheduled items of information in response to the user interrupt;

(d) estimating a time when the user will finish interacting with the user interface, said estimating being performed repeatedly until the user interaction with the user interface is finished;

(e) for each estimated time, rescheduling items of information for display on the display apparatus in accordance with the values of the priorities at the estimated time;

~~(f) repeating steps (d) to (e), if the user is still interacting with the user interface at the estimated time; and~~

(f) [(g)] displaying the information as scheduled, if the user is not interacting with the user interface at the estimated time.

15. (Previously Presented) A computer-executable method as claimed in claim 14, wherein one or more of the priorities are dependent upon one or more parameters as a function of time.

16. (Previously Presented) A computer-executable method as claimed in claim 15, wherein one of the priorities is dependent upon a location or a distance from a given location.

17. (Previously Presented) A computer-executable method as claimed in claim 15, wherein one of the priorities is dependent upon a frequency that the associated item of information is displayed.

18. (Previously Presented) A computer-executable method as claimed in claim 15, wherein one of the priorities is dependent upon a time since the associated item of information was last displayed.

19. (Previously Presented) A computer-executable method as claimed in claim 15, wherein one of the priorities is dependent upon a number of times the associated item of information has been displayed.

20. (Previously Presented) A computer-executable method as claimed in claim 15, wherein one of the priorities is dependent ~~upon~~ on a cost of the associated item of information.

21. (Previously Presented) A computer-executable method as claimed in claim 14, wherein said method further comprises:

monitoring the user interaction with the user interface; and
generating a user profile based upon the monitoring.

22. (Previously Presented) A computer-executable method as claimed in claim 21, wherein one of the priorities is dependent upon the user profile.

23. (Previously Presented) A computer-executable method as claimed in claim 14, wherein said scheduling step (a) comprises:

(a)(i) determining a maximum priority of all of the priorities of the items of information at a next available time for display;

(a)(ii) scheduling the item of information associated with the determined maximum priority as an item of information to be displayed at the next available time; and

(a)(iii) repeating steps (a)(i) and (a)(ii) for the next available time.

24. (Previously Presented) A computer-executable method as claimed in claim 14, wherein said rescheduling step (e) comprises:

(e)(i) determining a maximum priority of all of the priorities of the items of information at a next available time for display;

(e)(ii) rescheduling the item of information associated with the determined maximum priority as an item of information to be displayed at the next available time; and

(e)(iii) repeating steps (e)(i) and (e)(ii) for the next available time.

25. (Cancelled)

26. (Currently Amended) An information-processing apparatus that displays items of information on a display apparatus, the display apparatus comprising a display unit and a user interface, each item of information having an associated priority which is a function of time, said apparatus comprising:

scheduler means for scheduling items of information in accordance with values of the priorities, the scheduling determining an order for display the items of information on the display apparatus;

generator means for generating a user interrupt in response to a user interacting with the user interface;

clearance means for clearing the scheduled items of information in response to the user interrupt;

estimation means for estimating a time when the user will finish interacting with the user interface, the estimating being performed repeatedly until the user interaction with the user interface is finished;

rescheduler means for scheduling items of information for display on the display apparatus in accordance with the values of the priorities at [[the]] each estimated time;

~~repetition means for repeating the operations of the estimation means and the rescheduler means, if the user is still interacting with the user interface at the estimated time; and~~

display means for displaying the information as scheduled, if the user is not interacting with the user interface at the estimated time.

27. (Cancelled)

28. (Currently Amended) A computer readable medium storing a computer-executable program for displaying items of information on a display apparatus, the display apparatus comprising a display unit and a user interface, each item of information having an associated priority which is a function of time, the computer program comprising:

scheduler code for scheduling items of information in accordance with values of the priorities, the scheduling determining an order for displaying the items of information on the display apparatus;

generator code for generating a user interrupt in response to a user interacting with the user interface;

clearance code for clearing the scheduled items of information in response to the user interrupt;

estimation code for estimating a time when the user will finish interacting with the user interface, the estimating being performed repeatedly until the user interaction with the user interface is finished;

rescheduler code for rescheduling items of information, for each estimated time, for display on the display apparatus in accordance with the values of the priorities at the estimated time;

~~repetition code for repeating the operations of the estimation code and the rescheduler code, if the user is still interacting with the user interface at the estimated time;~~
and

display code for displaying the information as scheduled, if the user is not interacting with the user interface at the estimated time.

29. (Previously Presented) A computer-executable method of scheduling items of information for presentation on an output device, said method comprising the steps of:

- (a) calculating a priority for each item of information at a first time;
- (b) placing one or more of the items into a schedule in accordance with the calculated priorities, wherein an item having a maximum calculated priority is placed at a first available slot in the schedule, the schedule determining an order for presenting the items of information on the output device;
- (c) checking whether the output device is being used; and
- (d) rescheduling the schedule if said checking step indicates that the output device is being used, said rescheduling comprising:

(d)(i) clearing the schedule;

(d)(ii) calculating a further priority for each item of information at a second time at which the output device is not being used; and

(d)(iii) placing one or more of the items into the schedule for presentation on the output device in accordance with the further priorities, wherein an item having a maximum further priority is placed at the first available slot in the schedule.

30. (Previously Presented) A computer-executable method as claimed in claim 29 further comprising the steps of:

determining whether a user is interacting with the output device; and

activating a user interrupt if user interaction is determined, and wherein said checking step (c) comprises checking whether the user interrupt is activated.

31. (Previously Presented) A computer-executable method as claimed in claim 30 wherein said determining step comprises detecting keystrokes.

32. (Previously Presented) An information-processing apparatus for scheduling items of information for presentation on an output device, said apparatus comprising:

means for calculating a priority for each item of information at a first time;

means for placing one or more of the items into a schedule in accordance with the calculated priorities, wherein an item having a maximum calculated priority is

placed at a first available slot in the schedule, the schedule determining an order for presenting the items of information on the output device;

means for checking whether the output device is being used;

means for presenting items for display on the output device in accordance with the schedule if the output device is not being used; and

means for rescheduling the schedule if the output device is being used, said rescheduling means comprising:

means for clearing the schedule;

means for calculating a further priority for each item of information at a second time at which the output device is not being used; and

means for placing one or more of the items into the schedule for presentation on the output device in accordance with the further priorities, wherein an item having a maximum further priority is placed at the first available slot in the schedule.

33. (Currently Amended) A computer program product comprising a ~~machine-readable~~ machine-executable program code recorded on a machine-readable recording medium, for controlling the operation of a data processing apparatus on which the program code executes to perform a method of scheduling items of information for presentation on an output device, said method comprising the steps of:

(a) calculating a priority for each item of information at a first time;

(b) placing one or more of the items into a schedule in accordance with the calculated priorities, wherein an item having a maximum calculated priority is placed at

a first available slot in the schedule, the schedule determining an order for presenting the items of information on the output device;

(c) checking whether the output device is being used; and

(d) rescheduling the schedule if said checking step indicates that the output device is being used, said rescheduling comprising:

(d)(i) clearing the schedule;

(d)(ii) calculating a further priority for each item of information at a second time at which the output device is not being used; and

(d)(iii) placing one or more of the items into the schedule for presentation on the output device in accordance with the further priorities, wherein an item having a maximum further priority is placed at the first available slot in the schedule.

34. (New) A computer-executable method as claimed in claim 14 wherein, in said rescheduling step, the items that require minimal compile time are selected.